

Find the volume of two joined rectangular prisms

NAME	DATE	SCORE / 10
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1

A swimming pool has a shallow part and a deep part, and each part is a rectangular prism. The shallow part is 8 m long, 9 m wide and 1 m deep. The deep part is 7 m long, 9 m wide and 3 m deep. What is the volume, in cubic metres, of the pool?

2

A toy is made of two wooden blocks glued together. One block is 8 cm by 4 cm by 4 cm. The other block is 5 cm by 4 cm by 2 cm. What is the volume, in cubic centimetres, of the toy?

3

A solid is made of two rectangular prisms that do not overlap. One prism is 9 cm by 4 cm by 5 cm. The other prism is 7 cm by 4 cm by 4 cm. What is the volume, in cubic centimetres, of the solid?

4

A swimming pool has a shallow part and a deep part, and each part is a rectangular prism. The shallow part is 9 m long, 6 m wide and 1 m deep. The deep part is 6 m long, 6 m wide and 2 m deep. What is the volume, in cubic metres, of the pool?

- 5** A solid is made of two rectangular prisms that do not overlap. One prism is 2 cm by 3 cm by 6 cm. The other prism is 7 cm by 4 cm by 3 cm. What is the volume, in cubic centimetres, of the solid?

- 6** A swimming pool has a shallow part and a deep part, and each part is a rectangular prism. The shallow part is 10 m long, 10 m wide and 1 m deep. The deep part is 5 m long, 10 m wide and 2 m deep. What is the volume, in cubic metres, of the pool?

- 7** A toy is made of two wooden blocks glued together. One block is 5 cm by 6 cm by 2 cm. The other block is 5 cm by 5 cm by 5 cm. What is the volume, in cubic centimetres, of the toy?

- 8** A swimming pool has a shallow part and a deep part, and each part is a rectangular prism. The shallow part is 11 m long, 10 m wide and 1 m deep. The deep part is 5 m long, 10 m wide and 2 m deep. What is the volume, in cubic metres, of the pool?

- 9** A swimming pool has a shallow part and a deep part, and each part is a rectangular prism. The shallow part is 8 m long, 8 m wide and 1 m deep. The deep part is 8 m long, 8 m wide and 2 m deep. What is the volume, in cubic metres, of the pool?

- 10** A solid is made of two rectangular prisms that do not overlap. One prism is 8 cm by 2 cm by 3 cm. The other prism is 5 cm by 2 cm by 5 cm. What is the volume, in cubic centimetres, of the solid?

Find the volume of two joined rectangular prisms

1 261

3 292

5 120

7 185

9 192

2 168

4 126

6 200

8 210

10 98